

AMENDMENTS TO THE CLAIMS

Listing of Claims

Claims 1-6 (canceled)

7. (currently amended) A ~~The~~ system according to Claim 1 ~~8~~, wherein the suppression means provides said group of information packets that are being transmitted to the second terminal as constant-length compressed information packets ~~for transmission to the remote terminal.~~

8. (currently amended) A system for compressing and decompressing information packets transmitted from a first terminal to a second terminal, comprising suppression means in the first terminal adapted to use a predetermined suppression algorithm for removing at least one field that varies in a known pattern from a payload header of ~~an~~ a discrete information packet of a group of information packets being transmitted to the second terminal; and

restoration means in the second terminal adapted to use a predetermined restoration algorithm for restoring the removed at least one field that varies in the known pattern to the payload header of ~~an~~ a said discrete information packet received from the first terminal;

wherein the predetermined restoration algorithm includes the step of:

(a) from time to time restoring the at least one removed field that varies in the known pattern by using an associated refresh field that is received ~~with~~ as part of the discrete information packet.

9. (currently amended) ~~A~~ The system according to Claim 8, wherein for discrete information packets, the predetermined suppression algorithm includes the steps of:

(b) providing a refresh control field identifying a refresh field that is to be transmitted with the discrete information packet;

(c) providing the refresh field identified by the refresh control field for transmission to the second terminal with the discrete information packet; and

(d) providing a control field that includes the refresh control field for transmission to the second terminal with the discrete information packet.

10. (currently amended) ~~A~~ The system according to Claim 9, wherein for discrete transmitted information packets, the predetermined restoration algorithm further includes the step of:

(e) in accordance with the refresh control field received with the discrete information packet, identifying the associated refresh field received with the discrete information packet.

Claims 11-13 (canceled)

14. (currently amended) ~~Apparatus~~ An apparatus for compressing information packets for transmission to a remote terminal, comprising

suppression means adapted to use a predetermined suppression algorithm for removing at least one field that varies in a known pattern from a payload header of ~~an~~ a discrete information packet of a group of information packets being transmitted to the remote terminal;

wherein for said discrete information packets, the predetermined suppression algorithm includes the steps of:

(a) providing a refresh control field identifying a refresh field that is to be transmitted with the discrete information packet;

(b) providing the refresh field identified by the refresh control field for transmission to the remote terminal with the discrete information packet; and

(c) providing a control field that includes the refresh control field for transmission to the remote terminal with the discrete information packet.

Claims 15-18 (cancelled)

19. (currently amended) ~~Apparatus~~ An apparatus for decompressing transmitted information packets received from a remote terminal, comprising

restoration means adapted to use a predetermined restoration algorithm for restoring a removed at least one field that varies in a known pattern to the payload header of ~~an~~ a discrete information packet received from the remote terminal;

wherein the predetermined restoration algorithm includes the step of:

(a) from time to time restoring the at least one removed field that varies in the known pattern by using an associated refresh field that is received ~~with~~ as part of the discrete information packet.

20. (currently amended) ~~Apparatus~~ The apparatus according to Claim 19, wherein for discrete information packets, the predetermined restoration algorithm further includes the step of:

(b) in accordance with a refresh control field received with the discrete information packet, identifying the associated refresh field received with the discrete information packet.

21. (new) The apparatus according to Claim 14, wherein the suppression means provides said group of information packets that are being transmitted to the second terminal as constant-length compressed information packets.